

*GRAIN CONDITIONING EQUIPMENT*





### Axial Fans

### High-Spe

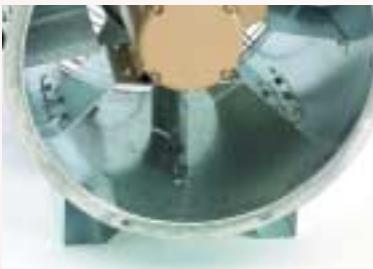


Fan's **venturi opening** uses innovative curvature design for efficient air performance.

10-mil PVC coating on **screen guard** provides superior corrosion resistance and attractive appearance.

Totally-enclosed, air over (TEAO) **motors** are standard for all Brock GUARDIAN® Series axial fans.

**Air vanes** are a standard feature on all 18-inch diameter and larger fans. The vanes aid efficient airflow at higher static pressures by reducing air turbulence.



Two-piece bolt-together **motor mount/fan support** provides a solid connection for mounting the fan and aids fan stability during operation.




Dynamically-balanced cast aluminum **blade** has advanced air foil design for efficient air handling.



Dynamically-balanced, seamless welded steel **centrifugal wheel** features advanced air foil blade design to help maximize air performance.

## High-Speed (3450 RPM) and Low-Speed (1750 RPM) Centrifugal Fans



Totally-enclosed, fan-cooled (TEFC) **motors** are standard for all Brock GUARDIAN® Series centrifugal fans.

Fan's **air inlet orifice** uses an innovative design to promote better airflow into the centrifugal wheel to enhance fan performance.



10-mil PVC coating on **screen guard** provides superior corrosion resistance and attractive appearance.



**Diverter and baffle** help to redirect air spilling from the centrifugal wheel to encourage smooth, efficient fan operation.



Brock's low-speed centrifugal fan models have **adjustable feet** to assist with leveling the unit on the fan platform.

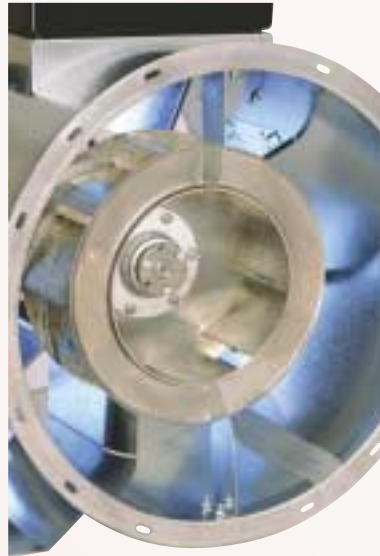


All Brock GUARDIAN® Series centrifugal fans have a reinforced, 12-gauge, galvanized **steel housing** for durability and long fan life.

*Centrifugal In-Line Fans*

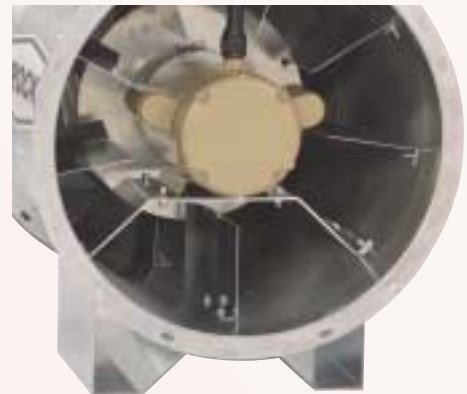


All Brock GUARDIAN® Series centrifugal in-line fans feature a reinforced, 12-gauge, galvanized **steel housing** for durability and long fan life.



Dynamically-balanced aluminum **centrifugal wheel** features advanced air foil blade design to efficiently handle low airflows at medium to high static pressures.

Totally-enclosed, air over (TEAO) **motors** are standard for all Brock GUARDIAN® Series centrifugal in-line fans.



Two-piece bolt-together **motor mount/fan support** provides a solid connection for mounting the fan and aids fan stability during operation.



Fan's **air inlet orifice** uses an innovative design to promote better airflow into the centrifugal wheel to enhance fan performance.

The unique **baffle** design helps to direct air into the centrifugal wheel to encourage smooth, efficient fan operation.



10-mil PVC coating on **screen guard** provides attractive appearance and superior corrosion resistance.



**Air straightening vanes** aid efficient airflows by reducing air turbulence.

# SPECIFIC CONTROLS, STANDARD BOX



A standardized control box is used with all Brock GUARDIAN® Series fans. Brock's controls are specifically matched to each fan unit and have adjustable overload protection.



Made of durable polycarbonate with a hinged translucent cover, the **control housing** is weather-, dust-, and rodent-proof.



Standard GE DIN-rail mounts are used for securely fastening components in the control box.

# AIR FLOW RATINGS

## Axial Fans (3450 RPM) Air Flow Ratings (Cubic Feet Per Minute - CFM)



Model	HP	INCHES OF STATIC PRESSURE														
		0.00	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
AX12-075	.75	2,320	2,010	1,480	980	630	430									
AX12-1	1	2,320	2,010	1,480	980	630	430									
AX14-1	1.5	3,350	3,050	2,530	1,950	1,410	1,000	740								
AX16-1	1.5	3,650	3,310	2,840	2,320	1,810	1,340	930	580							
AX18-2	2	4,750	4,390	3,920	3,350	2,700	2,040	1,430	990							
AX18-3	3	5,990	5,720	5,430	5,030	4,500	3,840	3,100	2,360	1,730	1,370					
AX22-4	4.5	9,160	8,670	8,250	7,790	7,220	6,510	5,650	4,710	3,770	2,970	2,480				
AX24-5	5	12,300	11,770	11,130	10,380	9,510	8,540	7,490	6,390	5,290	4,250	3,320	2,580	2,130		
AX24-7	7.5	13,500	13,140	12,630	11,960	11,170	10,270	9,290	8,250	7,190	6,140	5,130	4,210	3,440		
AX24-10	10	15,490	15,160	14,580	13,790	12,840	11,750	10,570	9,320	8,060	6,810	5,610	4,490	3,500		
AX26-12	12	14,690	14,090	13,570	13,070	12,550	11,990	11,350	10,620	9,780	8,820	7,740	6,540	5,240		
AX28-15	15	16,330	15,880	15,460	15,020	14,570	14,090	13,560	12,980	12,340	11,640	10,880	10,060	9,190	8,260	7,300



# AIR FLOW RATINGS



## Low-Speed Centrifugal Fans (1750 RPM)

Air Flow Ratings (Cubic Feet Per Minute - CFM)

Model	HP	INCHES OF STATIC PRESSURE											
		0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	
LC22-3	3	4,800	4,500	4,150	3,740	3,270	2,740						
LC22-5	5	7,840	7,360	6,790	6,110	5,350	4,490						
LC24-7	7.5	10,720	10,180	9,560	8,850	8,060	7,170	6,190					
LC24-10	10	13,180	12,530	11,760	10,890	9,910	8,820	7,620					
LC27-10	10	11,870	11,410	10,870	10,260	9,580	8,830	8,000	7,100				
LC27-15	15	16,960	16,300	15,530	14,660	13,690	12,610	11,430	10,140				
LC27-20	20	19,160	18,410	17,550	16,570	15,470	14,250	12,920	11,460				
LC30-25	25	23,260	22,540	21,720	20,810	19,800	18,710	17,510	16,230	14,850	13,380		
LC30-30	30	24,420	23,660	22,810	21,850	20,790	19,640	18,390	17,040	15,590	14,050		
LC33-40	40	29,820	28,980	28,090	27,140	26,120	25,050	23,910	22,710	21,450	20,130	18,760	
LC33-50	50	36,030	35,020	33,940	32,790	31,560	30,260	28,890	27,440	25,920	24,330	22,660	

## High-Speed Centrifugal Fans (3450 RPM)

Air Flow Ratings (Cubic Feet Per Minute - CFM)

Model	HP	INCHES OF STATIC PRESSURE											
		0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
HC15-3	3	2,610	2,410	2,200	1,970	1,670	1,290						
HC15-5	5	4,430	4,090	3,740	3,330	2,830	2,190						
HC18-7	7.5	4,500	4,260	4,020	3,760	3,490	3,170	2,800	2,360				
HC18-10	10	5,940	5,610	5,290	4,960	4,600	4,180	3,690	3,110				
HC18-15	15	9,010	8,510	8,030	7,530	6,970	6,340	5,600	4,720				
HC22-20	20	8,160	7,870	7,580	7,300	7,000	6,690	6,360	5,990	5,580	5,120	4,600	
HC22-25	25	10,020	9,660	9,310	8,960	8,590	8,210	7,800	7,350	6,850	6,280	5,650	
HC22-30	30	12,060	11,620	11,200	10,780	10,340	9,890	9,390	8,850	8,240	7,560	6,800	
HC22-40	40	15,950	15,380	14,820	14,260	13,690	13,080	12,420	11,700	10,900	10,010	9,000	
HC22-50	50	18,550	17,880	17,230	16,580	15,920	15,210	14,450	13,610	12,680	11,640	10,460	

## Centrifugal In-Line Fans (3450 RPM)

Air Flow Ratings (Cubic Feet Per Minute - CFM)

Model	HP	INCHES OF STATIC PRESSURE												
		0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
IC18-2	2	2,400	2,270	2,080	1,900	1,710	1,360							
IC18-3	3	3,740	3,530	3,240	2,970	2,660	2,120							
IC24-3	3	4,020	3,900	3,710	3,530	3,340	3,140	2,850	2,370					
IC24-5	5	6,130	5,940	5,660	5,370	5,100	4,790	4,350	3,610					
IC24-7	7.5	6,960	6,600	6,260	5,950	5,640	5,320	4,970	4,570	4,070				
IC28-10	10	6,040	5,870	5,670	5,460	5,250	5,040	4,820	4,600	4,360	4,110	3,820	3,490	3,080
IC28-15	15	9,110	8,850	8,550	8,240	7,920	7,600	7,270	6,930	6,580	6,200	5,770	5,260	4,650

Airflows have been determined by an independent fan testing facility in accordance with AMCA Standard 210.



**Brock Grain Systems**  
**Chore-Time Brock International**  
 Divisions of CTB, Inc.  
 Milford, IN • Kansas City, MO • Frankfort, IN  
 Phone: 574.658.4191 or 574.658.9323 (International)  
 Internet: [www.brockmfg.com](http://www.brockmfg.com) or [www.ctbworld.com](http://www.ctbworld.com)  
 E-Mail: [brock@brockmfg.com](mailto:brock@brockmfg.com)